

## INTERNATIONAL SEARCH REPORT

International Application No

/EP2004/050989

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01L21/312

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H01L C08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HUANG Q R ET AL: "Structure and interaction of organic/inorganic hybrid nanocomposites for microelectronic applications. 1. MSSQ/P(MMA-co-DMAEMA) nanocomposites" CHEMISTRY OF MATERIALS AMERICAN CHEM. SOC USA, vol. 14, no. 9, 9 September 2002 (2002-09-09), pages 3676-3685, XP002300511 ISSN: 0897-4756 published on the web 08/13/2002 the whole document -----	1-3,9-12
Y	US 4 349 609 A (NAKAJIMA MINORU ET AL) 14 September 1982 (1982-09-14) example 3 -----	1,2,5,6, 9-12
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

## Date of the actual completion of the international search

13 October 2004

## Date of mailing of the international search report

27/10/2004

## Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PAN Q ET AL: "Spin-on-glass thin films prepared from a novel polysilsesquioxane by thermal and ultraviolet-irradiation methods" THIN SOLID FILMS, ELSEVIER-SEQUOIA S.A. LAUSANNE, CH, vol. 345, no. 2, 21 May 1999 (1999-05-21), pages 244-254, XP004177536 ISSN: 0040-6090 page 245, column 1, line 29 - line 43 -----	1,2,5,6, 9-12
X	US 5 152 834 A (ALLMAN DERRYL D J) 6 October 1992 (1992-10-06) column 1, line 54 - line 62 column 3, line 62 - line 64 column 5, line 51 column 8, line 32 - line 33 column 8, line 47 - line 51 -----	1,2,5, 9-11
X	EP 1 003 210 A (DOW CORNING) 24 May 2000 (2000-05-24) paragraphs '0017!, '0018!, '0040!, '0045! -----	1,2,5,7, 10-12
X	EP 1 197 998 A (SHIPLEY CO LLC) 17 April 2002 (2002-04-17) paragraphs '0029!, '0030!, example 2; table 1 -----	1,2,9-11
Y	US 6 015 457 A (LEUNG ROGER Y ET AL) 18 January 2000 (2000-01-18) abstract -----	1,2,11
Y	PROVATAS A ET AL: "Silsesquioxanes: Synthesis and Applications" TRENDS IN POLYMER SCIENCE, ELSEVIER SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 5, no. 10, 1 October 1997 (1997-10-01), pages 327-332, XP004092049 ISSN: 0966-4793 figure 1c -----	1,2,11
A	MANTZ R A ET AL: "THERMOLYSIS OF POLYHEDRAL OLIGOMERIC SILSESQUIOXANE (POSS) MACROMERS AND POSS-SILOXANE COPOLYMERS" CHEMISTRY OF MATERIALS, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 8, 13 June 1996 (1996-06-13), pages 1250-1259, XP001038446 ISSN: 0897-4756 page 1252, column 1; figure 2 -----	-/-

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	EP 1 271 634 A (BOC GROUP INC) 2 January 2003 (2003-01-02) abstract paragraph '0011! -----	

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Information on patent family members

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